



PRESENTS

## FRENCH FILMING AMINES

Water systems also have their anti-aging care



**THE DEFINITIVE SOLUTION FOR INDUSTRIAL WATER TREATMENT**



Film-forming amine technology offers an all-organic, phosphate-free, and environmentally-friendly solution for treating industrial water.

Our 4-in-1 formulations target:

- **Scaling**
- **Corrosion**
- **Biofouling**
- **Energy savings**

# Proven efficacy

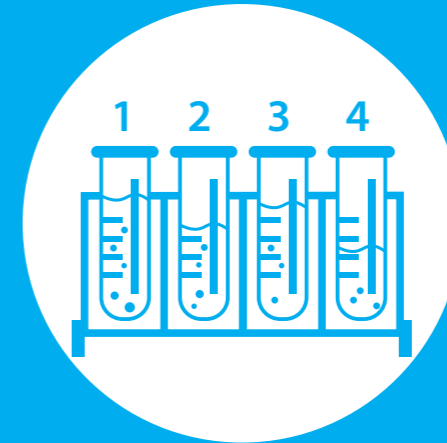
## A closed loop system

Marseille, France, 2015, 15800 U.S. gallons (60 m<sup>3</sup>)



After 10 years of treatment using film-forming amines, a look at an inspection of the inside of the steel pipes reveals a perfectly uniform magnetite layer and even remarkably well preserved joints.

# A formulation for every application, providing total solutions



## ■ Scaling

Film-forming amines prevent the formation of scale crystals, turning scale into non-adhesive flakes.

## ■ Corrosion

Film-forming amines prevent oxygen and dissolved gases from coming into contact with metal surfaces.

## ■ Biofouling

Film-forming amines are bacteriostatic and bio-dispersing, which prevents any biofilm from adhering to waterside surfaces.

## ■ Energy savings

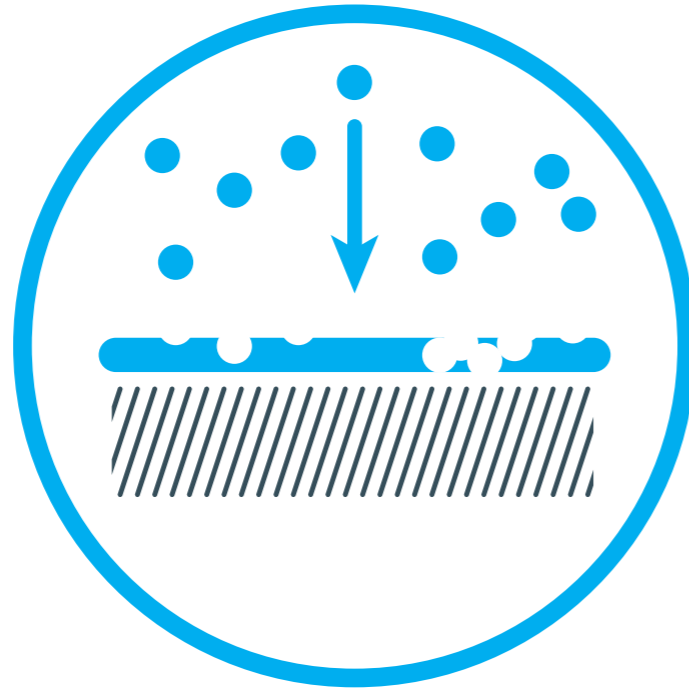
Film-forming amines help optimize heat transfer by improving the condition of waterside surfaces.

# Use French Filming Amines

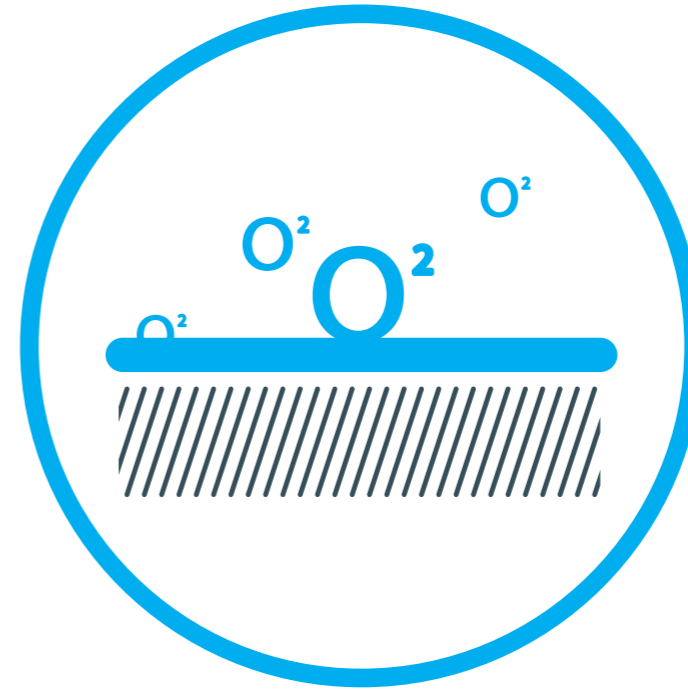
*to improve the immune system of your networks*



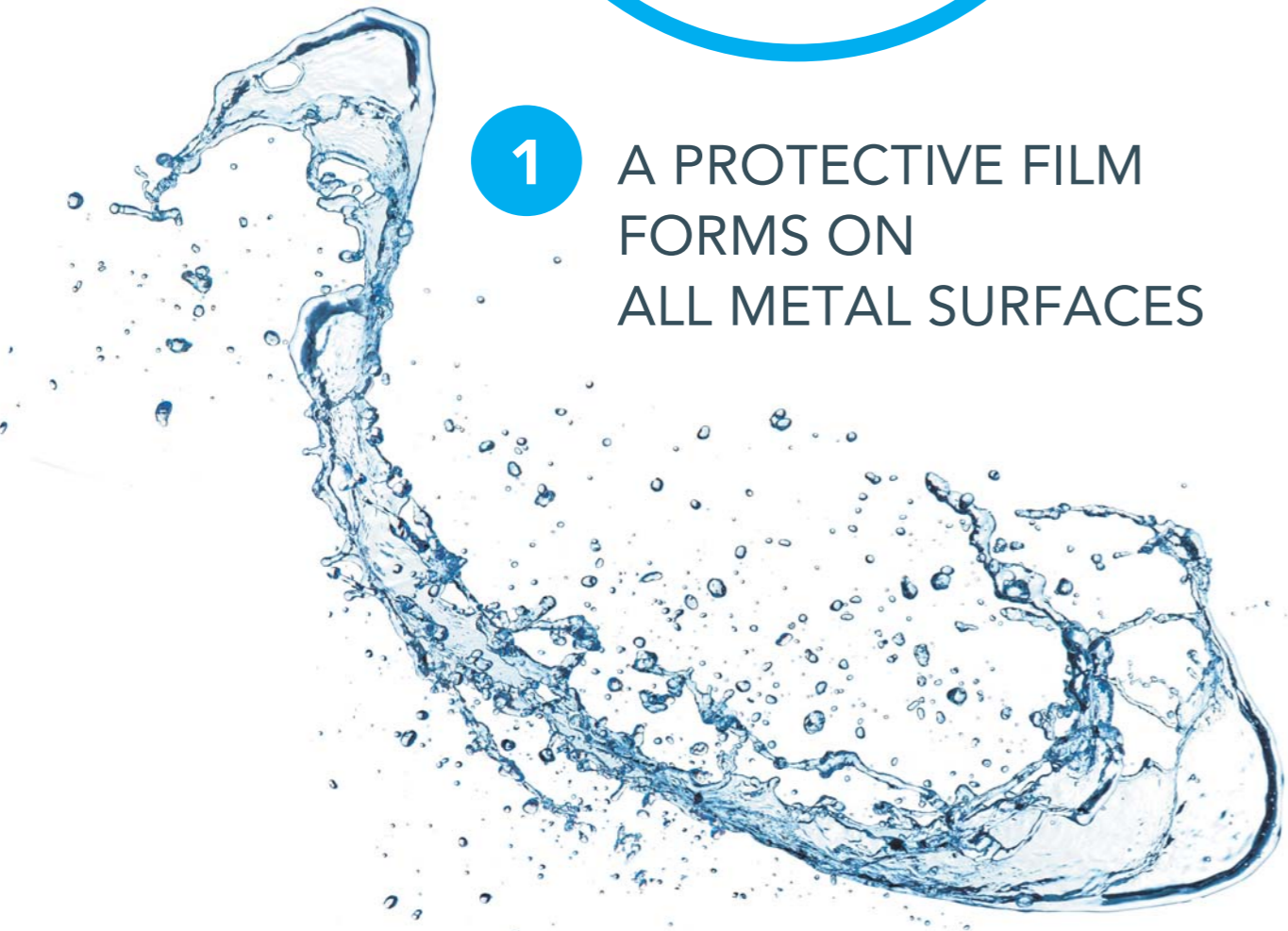
**Innovation**



**1** A PROTECTIVE FILM FORMS ON ALL METAL SURFACES



**2** OXYGEN AND DISSOLVED GASES CANNOT ATTACK THE METAL





**Which product  
is right  
for my facility?**



# 1 network, 1 water quality, 1 active formulation



## HOT AND COLD CLOSED CIRCUITS

1. Without aluminum  
**ODYTHERM FS 510P**
2. With aluminum  
**ODYTHERM FS 500R**
3. CIP product: all materials -  
powerful dispersant  
**ODYTHERM IF 550M**




## COOLING TOWERS

1. Moderately hard water  
(10-200 ppm  $\text{CaCO}_3$ )  
**ODYREF P 31**
2. Soft water  
with biofilm present  
( $<10$  ppm  $\text{CaCO}_3$ )  
**ODYREF A 91**
3. Hard water with silica  
( $>200$  ppm  $\text{CaCO}_3$ )  
**ODYREF A 800**



## STEAM BOILERS

1. Food-grade  
**ODYVAP VA 30**  

2. Standard industrial steam  
**ODYVAP VI 25**
3. Industrial steam  
with  $\text{O}_2$  scavenger  
**ODYVAP VI 205**
4. Industrial steam  
with  $\text{CaCO}_3$  dispersant  
**ODYVAP VI 290**

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**DYSSSEE**  
Environnement



ANTIOXIDANT, PROTECTIVE, SAFE

**Water systems also have their anti-ageing care**

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